## The Hierarchy of Evidence



The Hierarchy of evidence is based on summaries from the National Health and Medical Research Council (2009), the Oxford Centre for Evidence-based Medicine Levels of Evidence (2011) and Melynyk and Fineout-Overholt (2011).

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Nationa http://w DCEBM Datab	Il Health and Me vww.nhmrc.gov. Levels of Eviden pases	dical Research Council (2009) au/_files_nhmrc/file/guidelin ce Working Group Oxford (20	. NHMRC levels of evidence and es/evidence_statement_form.p	d grades for recommendation odf Evidence. Oxford Centre for E	ns for developers of guideling	es (2009). Australian Government: NHN ttp://www.cebm.net/index.aspx?o=102	MRC.
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Nationa	l Health and Me	dical Research Council (2009)	. NHMRC levels of evidence and	d grades for recommendation			
∕lelynyk	k, B. & Fineout-C	Overholt, E. (2011). Evidence-b	pased practice in nursing & heal	Ithcare: A guide to best pract	ice (2nd ed.). Philadelphia:	Wolters Kluwer, Lippincott Williams & Y	Wilkins.
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/11	Expert opinion	xpert opinion from clinicians, authorities and/or reports of expert committees or based on physiology					
<b>/</b> I	Evidence obtained from single descriptive and qualitative studies						
/	Evidence obta	idence obtained from systematic reviews of descriptive and qualitative studies					
V		ce obtained from well designed cohort studies, case control studies, interrupted time series with a control group, historically controlled studies, interrupted eries without a control group or with case- series					
II	Evidence obta	nce obtained from well-designed controlled trials without randomisation.					
	Evidence obta	vidence obtained from at least one well designed randomised control trial.					
I							

Other search	
comments:	

Reference (include title, author, journal title, year of publication, volume and issue, pages)	Evidence level (I-VII)	Key findings, outcomes or recommendations
Cheng, C., Franck, L., Ye, X., Hutchinson, S., Lee, S., & O'Brienon, K. (2021). Evaluating the effect of Family Integrated Care on maternal stress and anxiety in neonatal intensive care units. Journal of Reproductive and Infant Psychology, 39(2), 166-179.	II	The clinical environment acts as a physical and an emotional barrier between the neonate and family. Maternal stress and anxiety can be decreased by increasing parental engagement and involvement through:   • Kangaroo Care  • Skin to skin contact  • Enabling parental decision making  • Promoting a positive & supportive environment  • Enabling family support systems
Cooke, E. (2019, August). Clinical Guidelines (Nursing) Temperature Management. Retrieved from The Royal Children's Hospital Melbourne: <a href="https://www.rch.org.au/rchcpg/hospital-clinical-guideline-index/Temperature Management/">https://www.rch.org.au/rchcpg/hospital-clinical-guideline-index/Temperature Management/</a>	VII	<ul><li>RCH CPG</li><li>Temperature management</li></ul>
Cramer, S. (2019, June). Clinical Guidelines (Nursing) Neonatal hypoglycaemia. Retrieved from The Royal Children's Hospital Melbourne: <a href="https://www.rch.org.au/rchcpg/hospital-clinical-guideline-index/Neonatal-hypoglycae-mia/">https://www.rch.org.au/rchcpg/hospital-clinical-guideline-index/Neonatal-hypoglycae-mia/</a>	VII	<ul><li>RCH CPG</li><li>Management of neonatal hypoglycaemia</li></ul>

Crowle, A. (2018, April). Clinical Guidelines (Nursing) Neonatal Intravenous Fluid Management.  Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Neonatal_Intravenous _Fluid_Management/	VII	<ul> <li>RCH CPG</li> <li>Neonatal Intravenous Fluid Management</li> </ul>
Devsam, B. (2020, December). Clinical Guidelines (Nursing) Neonatal Pain Assessment. Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Neonatal_Pain_Assessment/	VII	<ul> <li>RCH CPG</li> <li>Neonatal Pain Assessment including mPATs and FLACC</li> </ul>
Donnellan, D., Moore, Z., Patton, D., O'Connor, T., & Nugent, L. (2020). The effect of thermoregulation quality improvementinitiatives on the admission temperature of premature/verylow birth-weight infants in neonatal intensive care units: Asystematic review. <i>J Spec Pediatr Nurs</i> , 1-13.	I	<ul> <li>Cochrane Review</li> <li>Skin to skin or kangaroo care reduces the pain response to multiple procedures and clinical interventions. Resulting in:         <ul> <li>Decrease in heart rate</li> <li>Decrease in duration of cry post procedure</li> <li>Decrease in intensity of cry post procedure</li> </ul> </li> </ul>
Doyle, T. (2018, December). Clinical Guidelines (Nursing) Breastfeeding support and promotion.  Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Breastfeeding_support_and_promotion/	VII	<ul> <li>RCH CPG</li> <li>Breastfeeding support and establishment</li> <li>Maternal child health support</li> <li>Lactation consultation</li> </ul>
Fanham, A. (2020, January). Clinical Guidelines (Nursing) Extravasation injury management.  Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Extravasation_injury_ management/	VII	<ul> <li>RCH CPG</li> <li>Extravasation management</li> <li>Pressure injury management</li> </ul>

Fanham, A. (2020, June). Clinical Guidelines (Nursing) Safe Sleeping. Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Safe_sleeping/	VII	<ul> <li>RCH CPG</li> <li>Safe sleeping recommendations</li> <li>Parent support and education</li> </ul>
Gardner, S. (2020, June). Clinical Guidelines (Nursing) Assisted thermoregulation. Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Thermoregulation_in_the_Preterm_Infant/	VII	<ul><li>RCH CPG</li><li>Thermoregulation</li><li>ATOM infant warmer</li></ul>
Harding, J., Hegarty, J., Crowther, C., Edlin, R. G., & Alsweiler, J. (2021, January 28). Evaluation of oral dextrose gel for prevention of neonatal hypoglycemia (hPOD): A multicenter, double-blind randomized controlled trial. <i>PLOS Medicine</i> , pp. 1-16.	II	<ul> <li>Hypoglycaemia is common in clinically unwell neonates</li> <li>Dextrose gel is a non-invasive, safe &amp; inexpensive treatment option for hypoglycaemia</li> <li>Separation of Mother and baby disrupts the establishment of breastfeeding</li> <li>Transient hypoglycaemia is associated with impaired visual- motor coordination</li> </ul>
Kendrick, A. (2021, February). Clinical Guidelines (Nursing) Sucrose (oral) for procedural pain management in infants. Retrieved from The Royal Children's Hospital Melbourne: https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Sucrose_oral_for_procedural_pain_management_in_infants/	VII	<ul> <li>RCH CPG</li> <li>Oral sucrose for procedural pain management</li> </ul>
Kennedy, R., & Crowle, AR. (2020, May). Clinical Guidelines (Nursing) Neonatal & Infant Skin Care. Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Neonatalinfant_skin_care/	VII	<ul> <li>RCH CPG</li> <li>Neonatal skin care</li> <li>Prevention of skin breakdown and development of pressure areas</li> </ul>
Long, K., & Holdbrooks, H. (2020). Achieving Normothermia in Low-Birth-Weight Neonates. JOGNN, 49, S73.	IV	<ul> <li>Achieving normothermia in the neonatal population is directly correlated to improving clinical outcomes</li> </ul>

Moore, L., & Stevens, A. (2020, March). Clinical Guidelines (Nursing) Neonatal sleep maximisation in the hospital environment. Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Neonatal_sleep_maximisation_in_the_hospital_environment/	VII	<ul> <li>RCH CPG</li> <li>Maximising neonatal sleep in the clinical environment</li> <li>Neonatal sleep cycle</li> </ul>
Penrose, S. (2019, February). Clinical Guidelines (Nursing) Pain assessment and measurement.  Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Pain_Assessment_and  _Measurement/	VII	<ul> <li>RCH CPG</li> <li>Neonatal pain assessment</li> <li>FLACC</li> <li>mPATs</li> </ul>
Safer Care Victoria . (2018, December ). Intravenous infusion for special care nursery admissions.  Retrieved from Victorian Agency for Health Information :  https://www.bettersafercare.vic.gov.au/clinical-guidance/neonatal/intravenous-infusion-for-special-care-nursery-admissions	VII	<ul> <li>Neonatal intravenous fluid management</li> <li>Intravenous fluid rates</li> </ul>
Safer Care Victoria . (2019, January). Clinical Practice Guidelines Suprapubic aspirate. Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/clinicalguide/guideline_index/Suprapubic_Aspirate_Guideline/	VII	<ul> <li>RCH CPG</li> <li>Gold standard for obtaining urine sample for culture</li> </ul>
Safer Care Victoria. (2018). The late preterm infant - care and management. Retrieved from Victorian Agency for Health Information:  https://www.bettersafercare.vic.gov.au/clinical-guidance/neonatal/the-late-preterm-infant-care-and-management	VII	<ul> <li>Safer Care Victoria</li> <li>Observations and Vital signs</li> <li>Blood glucose levels</li> <li>Weighing of the baby</li> <li>Feeding</li> <li>Parent education</li> <li>Discharge management</li> </ul>

Sly, S., & Kinney, S. (2019, April). Clinical Guidelines (Nursing) Observation and continuous monitoring. Retrieved from The Royal Children's Hosptial Melbourne: https://www.rch.org.au/rchcpg/hospital_clinical_guideline_index/Observation_and_Continuous_Monitoring/	VII	<ul> <li>RCH CPG</li> <li>Observations and Monitoring</li> <li>ViCTOR guideline</li> </ul>
The Royal Children's Hospital Melbourne. (2019, November). Clinical Practice Guidelines Hypoglycaemia. Retrieved from The Royal Children's Hospital Melbourne: https://www.rch.org.au/clinicalguide/guideline_index/Hypoglycaemia_Guideline/	VII	<ul><li>RCH CPG</li><li>Hypoglycaemia management at RCH</li></ul>
The Royal Children's Hospital Orthopaedics department. (2018, May). Kids Health Infomation.  Retrieved from The Royal Children's Hospital Melbourne:  https://www.rch.org.au/kidsinfo/fact_sheets/Wrapping_your_baby_safely_to_help_pre vent_developmental_dysplasia_of_the_hip_VIDEO/	VII	<ul><li>RCH CPG</li><li>Safe wrapping to prevent hip dysplasia</li></ul>
The Royal Women's Hospital . (2020, July 29). Guideline: Infant feeding - Breastfeeding the Healthy Term Baby. Retrieved from The Royal Women's Hospital : https://thewomens.r.worldssl.net/images/uploads/downloadable-records/clinical-guidelines/infant-feeding-breastfeeding-the-healthy-term-baby_280720.pdf	VII	<ul> <li>Royal Women's Hospital Guideline</li> <li>Promoting breastfeeding establishment and maintenance while in hospital</li> </ul>